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Abstract

The invention relates to a process for preparing trioxane from aqueous formaldehyde solutions in the presence of acidic catalysts. The reaction of  
5 the formaldehyde to give trioxane takes place in a reaction column equipped with a circulation evaporator, and the formaldehyde solution used as the starting solution is mixed with a sidestream from the bottom of the reaction column and fed to the upper section of the reaction column via a tubular reactor. The process is notable for a low energy requirement and  
10 little by-product formation.